

Installation Procedures for the GCCS 2.2 Transition Segment Version 2.2.0.3 (GCCS Version 2.2)

I. Software Description

A. The primary purpose of this segment is to capture critical data on GCCS 2.2 systems that will be required to make a GCCS 3.0 system operational in the minimum amount of time. The GCCS 3.0 Transition segment will process this data when it is loaded on the GCCS 3.0 system.

B. When loaded on a GCCS 2.2 system this segment creates a directory called "2.2_Transition" under /h/USERS. Under the "2.2_Transition" directory the following subdirectories are created:

1. log: Contains a log file for each time this segment is installed on a system.
2. local: Contains the following files from each system, each file has the hostname from which it was extracted appended to it.
 - /etc/hosts (GCCS aliases, loghosts, emhosts removed)
 - /etc/passwd (Most GCCS accounts and UNIX accounts removed)
 - /etc/shadow
 - /etc/group (Unix, 2.2 Pro_ and Pos_ groups removed)
 - /etc/resolv.conf
 - /etc/mail/aliases
 - /etc/mail/sendmail.cf
 - /h/COTS/ORACLE?guicommon/tk2/admin/uiprint.txt_"hostname"
3. DB: Contains the following files when loaded on database server:
 - db_segs_"hostname": list of database segments that were installed on JOPES database server before export.
 - oradba_crontab_"hostname": crontab file of oradba.
 - "hostname"_initGCCS.ora: sites original initGCCS.ora file
 - DBUSER_X_"hostname": Oracle users/permissions created by DB User application.
 - "hostname"_system: /etc/system file of DB server

"hostname"_configGCCS.ora: configGCCS.ora file of DB
server

4. NIS: Contains ASCII dumps of all NIS+ files, as indicated by /etc/nsswitch.conf. The "admin" sub-directory contains NIS+ domainname and NIS_YP file (if YP compatiability was used at site)
5. Profiles: Contains the GCCS 2.2 profiles, the users assigned to each, and the applications assigned to each, as extracted from the MSQl database on the EM server.
6. MSQl: Contains dumps of all MSQl database tables.Created as backup to files created in "Profiles" directory.
7. DNS: Contains copies of DNS files (/var/nameserver and /etc/named.boot) from each DNS server and backups.
8. TLCF: Contains the configuration files for IRCC, NEWS, and NS-NEWS. In addition all news articles are stored in a compressed tar file.

C. When loaded on the GCCS 2.2 global files servers, those systems sharing /h/data/global or /h/USERS, the segment will dump these files systems to tape or copy them directly to the GCCS 3.0 files servers if they are available.

D. When loaded on JOPES database server the segment performs the following in preparation for the JOPES database export.

1. Puts the following JOPES Migration scripts in the /oracle/smback/gccsave/scripts directory:

before_all_tbsp.sql
before_image.sql
chk_seq.sql
chk_stat.sql

2. Creates /oracle/smback/spool directory for the output of the scripts located in "gccsave/scripts to place their output.

3. Puts the following export par files in /oracle/smback/gccsave/exp:

full_exp.par
exp_full.par
backup_exp.par
exp_backup.par

4. Saves the JOPES Backup and Recovery files in /oracle/smback/s
pool/SMDBRY.
5. Creates an /h/USERS/SMDB directory.
6. Sets permissions, group, owner on /oracle/smback and
/h/USERS/SMDB to allow "oradba" full read/write privialages.
7. Oracle is stopped and restarted in restricted mode. The
LISTENER is not started. S99dbora is modified so listener will
not be restarted in the event of a reboot.
8. The "oradba" account is modified to be identified externally.
9. Saves the file containing the Oracle accounts and permissions,
as created by Database User application, in /h/USERS/SMDB and
/h/USERS/2.2_Transition/DB.
10. Creates a file, db_segs_"hostname", which list the server
segments that are installed on the JOPES database server. This
file is used by the JOPES Database Preparation segment to
determine which tablespaces to build.

E. To facilitate the immediate moving of the GCCS 2.2 accounts to a
GCCS 3.0 account server the segment ask if this has occurred. If it has
it will modify the /etc/hosts and /etc/vfstab as follows. In addition a
file will be created in the 2.2_Transition/local directory called
"USERS" which inform the GCCS 2.2 Transition segment whethther or not
this has occurred, avoiding the need to ask the question again

Following line created in /etc/vfstab:
acserver:/h/USERS/global - /h/USERS nfs - yes rw,bg,soft

Following line created in /etc/vfstab:
"IP address 3.0 Account Server" acserver

E. To facilitate the immediate moving of the GCCS 2.2 /h/data/global
file system to a GCCS 3.0 server the segment ask if this has occurred.
If it has it will modify the /etc/vfstab as follows. In addition a file
will be created in the 2.2_Transition/local directory called "GLOBAL"
which inform the GCCS 2.2 Transition segment whethther or not this has
occurred, avoiding the need to ask the question again

Following line created in /etc/vfstab:
"new hostname":/h/data/global - /h/data/global nfs - yes rw,bg,soft

1.1 Segment Requirements

Any GCCS 2.2 or 2.1 system on a SPARC workstation or server with Solaris 2.3 installed.

2.0 Installation Instructions

The GCCS 2.2 Transition segment is loaded by using the Segment Installer. The first time the segment is installed at a site you will be asked if the account server is a GCCS 3.0 system. After the first installation no further installer interaction will be required.

2.1 Installing GCCS 2.2 Transition Segment on GCCS 2.1/2.2 System.

- 2.1.1 Log in as sysadmin and launch the Segment Installer.
- 2.1.2 Select GCCS 2.2 Transition segment and select "Install".
- 2.1.3 If installing for first time at a site the following questions will be asked. Otherwise the segment will install automatically without installer intervention.

[Identify Account Server]

Is the account server for the GCCS 2.2 platforms going to be a GCCS 3.0 platform?
(y/n)[n]:

- 2.1.4 If you select "y" you will be prompted to enter the IP address of the GCCS 3.0 account server.

Please enter the IP address of the GCCS 3.0 account server:

You have entered "IP number entered" is this correct?
(y/n)[n]:

- 2.1.5 Enter the GCCS 3.0 account server IP address and select "y" to continue.

[Identify /h/data/global Server]

Is the /h/data/global server for the GCCS 2.2 platforms going to be a GCCS 3.0 platform?
(y/n)[n]:

- 2.1.6 If you select "y" you will be prompted to enter the IP address of the GCCS 3.0 /h/data/global file server.

Please enter the IP address of the GCCS 3.0 /h/data/global server:

You have entered "IP number entered" is this correct?
(y/n)[n]:

- 2.1.7 Enter the GCCS 3.0 /h/data/global server IP address and select "y" to continue with the installation of the segment.

- 2.1.8 If the segment is being installed on the machine that is sharing /h/data/global the following will be output:

You have the option of dumping the contents of /h/data/global to tape or directly to the new GCCS 3.0 /h/data/global if that platform has already been built.

Please enter the option you wish to use to dump /h/data/global

- 1) Dump file system to tape
- 2) Dump file system directly to GCCS 3.0 server
- 3) Dump file system both to tape and to GCCS 3.0 server

Dump preference?

2.1.9 Select the option number you desire (1, 2, 3).

You have selected <option selected>
Is this option correct?(y/n)[n]:

2.1.10 Select the appropriate option to continue.

Enter tape drive number:
You have entered tape drive number <number>, is this correct?
(Y/n)[n]:

2.1.11 Enter the tape drive number of the drive you intend to
use, it may be directly attached to machine or connected to
another machine.

Is tape drive number <number> a high density drive?
(Y/n)[y]:

2.1.12 Enter yes or no as appropriate to continue.

Is the tape drive connected to this system?(y/n)[y]:

2.1.13 Enter yes or no as appropriate to continue. If you
answered "no" the following will appear.

Enter the hostname of the workstation the tape drive is
connected to:

2.1.14 Enter the correct workstation name to continue.

Load tape into tape drive <number>, hit [Return] when ready
:

2.1.15 A "ufsdump" will be performed of /h/data/global to the specified tape. The output of the "ufsdump" will be displayed in the xterm.

Tape accessible, dumping contents of /h/data/global

"ufsdump output displayed here"

Dump of /h/data/global completed successfully, do you want to make a backup tape?
(Y/n)[y]:

2.1.16 If you want to make a second tape enter "y" otherwise enter "n" to continue.

2.1.17 If the machine on which this segment is being installed is sharing /h/USERS steps 2.1.9 through 2.1.16 will be repeated for /h/USERS.

3.1 Deinstallation of GCCS 2.2 Transition Segment

The GCCS 2.2 Transition segment may be installed and deinstalled an unlimited number of times. The segment, when deinstalled, does not remove any of the directories for files created during installation.

- 3.1.1 Log in as sysadmin and launch the Segment Installer.
- 3.1.2 Select GCCS 2.2 Transition segment from list of installed segments and select "Deinstall".
- 3.1.3 Segment deinstalls without installer interaction.